

**ABSTRACT**

Carbon doped oxide (CDO) deposition. One method of deposition includes providing a substrate and introducing oxygen to a carbon doped oxide precursor in the presence of the substrate. A carbon doped oxide film is formed on the substrate. In another method the substrate is placed on a susceptor of a chemical vapor deposition apparatus. A background gas is introduced along with the carbon doped oxide precursor and oxygen to form the carbon doped oxide film on the substrate.